S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Basic Rate =		235.00				15.25	253.80	3870.35
	Area Weightage @8% =		18.80						
	Total Rate per Unit =		253.80						
	Second Floor								
	Qty as per of centring of staire	Sqm							
							15.25		3870.35
	Basic Rate =		235.00				15.25	253.80	
	Area Weightage @8% =		18.80						
	Total Rate per Unit =		253.80						
	Head Room								
	Qty as per of centring of staire	Sqm							
							15.25		3870.35
	Basic Rate =		235.00				15.25	253.80	
	Area Weightage @8% =		18.80						
	Total Rate per Unit =		253.80						
35	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening. cutting. bending. hooking. placing in position. lapping and / or welding wherever required. tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps. hooks and wastage shall not be measured and paid) cost of materials. labour. HOM of machinery complete as per specifications. Specification No.KBS 4.6.3 (P.No.18. I.No.4.46.2 of PWD SR 2018-19)								
	Ground Floor								
	Footings	Tonne		67.87	kg/cum	120	8143.92		
	lintels			4.82	kg/cum	75	361.24		
	Columns			51.57	kg/cum	140	7219.45		
	Plinth beams			15.16	kg/cum	110	1667.60		
	Roof beams			40.84	kg/cum	130	5308.64		
	Roof			103.88	kg/cum	100	10388.08		
							33088.93		
							33.09	76643.28	2536044.26
	Basic Rate =		70966.00						
	Area Weightage @ 8% =		5677.28						
	Total Rate per Unit =		76643.28						
36	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point. loading with front end loader.dumping. turning for return trip. excluding time for haulage and return trip complete as per specifications. MORTH KSRRB -100/ Chapter 1 (PWD - SR 2018-19. P-115. I-17.1) M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-I : Surface Road (PWD -SZB-SR 2016-17. P-134. I-17.4) lead taken - 15 km = Rs 2.5 t/km = (basic rate + area weightage) x 15 km = 67.50 (debris density 1.3 tonne/cum)								
	loading.unloading & haulage of dismantling quantity					77.93	Cum	114.21	8900.88
	Basic rate loading		57.00						
	Area weightage 8%		4.56						
	Basic rate haulage 15km lead taken in cum	t/km	48.75	in cum 2.5 x 1.3 x 15					
	Area weightage		3.90						
	Total		114.21						
	haulage of marshy soil & ordinary soil					252.37	tonne	40.50	10220.99
	Basic rate - haulage 15km lead taken	t/km	37.50	(2.5 x 15)					
	Area weightage		3.00						
	Total		40.50						

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
37	KSRB 15:14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including primary coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (page no. 102 item no. 15 .49.1 S.R. 2018-19)								
	Ground Floor								
	Same Qty as per inside wall	Sqm					598.72		71127.82
	Basic Rate =		110.00				598.72	118.80	
	Area Weightage @8% =		8.80						
	Total Rate per Unit =		118.80						
	First Floor								
	Same Qty as per inside wall	Sqm					976.16		122293.07
	Basic Rate =		110.00				976.16	125.28	
	Lift charges=		6.00						
	Area Weightage @ 8% =		9.28						
	Total Rate per Unit =		125.28						
	Second Floor								
	Same Qty as per inside wall	Sqm					837.26		110316.72
	Basic Rate =		110.00				837.26	131.76	
	Lift charges=		12.00						
	Area Weightage @ 8% =		9.76						
	Total Rate per Unit =		131.76						
	Head Room								
	Same Qty as per inside wall	Sqm					83.43		11533.36
	Basic Rate =		110.00				83.43	138.24	
	Lift charges=		18.00						
	Area Weightage @ 8% =		10.24						
	Total Rate per Unit =		138.24						
38	Providing and applying two coats of wall putty to inside plaster walls and ceiling using white cement putty. Scapping and leveling the syurface using steel blade and preparing the surface even and smooth by using different grade, sand papers including cost of all materilas, cost of labour, scaffolding etc... complete as per specification (page no 110-Item No 15.106 PWD SR -2018-19))								
	Ground Floor	Sqm					598.72		
	Same qty as per inside wall painting work						598.72	84.24	50436.09
	Basic Rate =		78.00						
	Area Weightage @ 8% =		6.24						
	Total Rate per Unit =		84.24						
	First Floor	Sqm					976.16		
	Same qty as per inside wall painting work						976.16	84.24	82231.55
	Basic Rate =		78.00						
	Lift charges=		0.00						
	Area Weightage @ 8% =		6.24						
	Total Rate per Unit =		84.24						
	Second Floor	Sqm					837.26		
	Same qty as per inside wall painting work						837.26	84.24	70530.36
	Basic Rate =		78.00						
	Lift charges=		0.00						
	Area Weightage @ 8% =		6.24						
	Total Rate per Unit =		84.24						
	Head room Floor	Sqm					83.43		
	Same qty as per inside wall painting work						83.43	84.24	7028.14
	Basic Rate =		78.00						
	Lift charges=		0.00						

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8% =		6.24						
	Total Rate per Unit =		84.24						
39	Providing and finishing External walls in two coats over one coat of 100% acrylic silicon glaze primer with antifungal paint for coat of approved brand and shade to give an even shade after thouroughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materilas , labour, complete as per specification (page no 110-Item No 15.104 SR-2018-2019)								
	Ground Floor	sqm							30027.80
	same qty as per outside plastering work						154.46	194.40	116390.97
	same qty as per Inside plastering work						598.72	194.40	
	Basic Rate =		180.00						
	Area Weightage @ 8% =		14.40						
	Total Rate per Unit =		194.40						
	First Floor	sqm							29741.23
	same qty as per outside plastering work						149.66	198.72	193982.12
	same qty as per inside plastering work						976.16	198.72	
	Basic Rate =		180.00						
	Lift charges=		4.00						
	Area Weightage @ 8% =		14.72						
	Total Rate per Unit =		198.72						
	Second Floor	sqm							30273.26
	same qty as per outside plastering work						149.10	203.04	169996.26
	same qty as per inside plastering work						837.26	203.04	
	Basic Rate =		180.00						
	Lift charges=		8.00						
	Area Weightage @ 8% =		15.04						
	Total Rate per Unit =		203.04						
	Head Room	sqm							9592.47
	same qty as per outside plastering work						46.26	207.36	17300.04
	same qty as per inside plastering work						83.43	207.36	
	Basic Rate =		180.00						
	Lift charges=		12.00						
	Area Weightage @ 8% =		15.36						
	Total Rate per Unit =		207.36						
40	KSRB 15.10.1 : Providing white washing to new wall surface in two coats with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.) page no.101. item no.15.38 S.R 2018-19)								
	Ground Floor	sqm					154.46	12.96	2001.85
	same qty as per outside plastering work								
	Basic Rate =		12.00						
	Area Weightage @8% =		0.96						
	Total Rate per Unit =		12.96						
	First Floor	sqm					149.66	17.28	2586.19
	same qty as per outside plastering work								
	Basic Rate =		12.00						
	Lift charges=		4.00						
	Area Weightage @ 8% =		1.28						
	Total Rate per Unit =		17.28						
	Second Floor	sqm							

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	same qty as per outside plastering work						149.10	21.60	3220.56
	Basic Rate =		12.00						
	Lift charges =		8.00						
	Area Weightage @ 8% =		1.60						
	Total Rate per Unit =		21.60						
	Head Floor	sqm							
	same qty as per outside plastering work						46.26	25.92	1199.06
	Basic Rate =		12.00						
	Lift charges =		12.00						
	Area Weightage @ 8% =		1.92						
	Total Rate per Unit =		25.92						
41	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labhour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity).(P.No.94,I.No.13.78).								
	Ground Floor	No's					2.00	7374.24	14748.48
			2						
	Basic Rate =		6828.00						
	Area Weightage @8% =		546.24						
	Total Rate per Unit =		7374.24						
42	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete (P.51, I.No. 9.11)								
	Ground Floor	Cum							
	D		3	6.60	0.10	0.125	0.25		
	D1		4	6.00	0.10	0.125	0.30	94612.32	51800.25
							0.55		
	Basic Rate =		87604.00						
	Area Weightage @8% =		7008.32						
	Total Rate per Unit =		94612.32						
	First Floor	sqm							
	D		1	6.60	0.10	0.125	0.08		
	D1		6	6.00	0.10	0.125	0.45	94612.32	50381.06
							0.53		
	Basic Rate =		87604.00						
	Area Weightage @8% =		7008.32						
	Total Rate per Unit =		94612.32						
	Second Floor	sqm							
	D		2	6.60	0.10	0.125	0.17		
	D1		4	6.00	0.10	0.125	0.30		
							0.47	94612.32	43994.73
	Basic Rate =		87604.00						
	Area Weightage @8% =		7008.32						
	Total Rate per Unit =		94612.32						
	Head room	sqm							
	D		1	6.60	0.10	0.125	0.08		
							0.08	94612.32	7805.52
	Basic Rate =		87604.00						
	Area Weightage @8% =		7008.32						
	Total Rate per Unit =		94612.32						

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
43	Providing and fixing in position fully panelled Honne wood shutters for door.styles and rails of 30mm.thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials,labhour, HOM of machineries complete .(excluding cost of fixtures).(P.No.52.1.No.9.21)								
	Ground Floor								
	D	sqm							
	D1		3	1.20		2.100	7.56		70005.00
			4	0.90		2.100	7.56	4629.96	
	Basic Rate =	4287.00					15.12		
	Area Weightage @8% =	342.96							
	Total Rate per Unit =	4629.96							
	First Floor								
	D	sqm							
	D1		1	1.20		2.100	2.52		64171.25
			6	0.90		2.100	11.34	4629.96	
	Basic Rate =	4287.00					13.86		
	Area Weightage @8% =	342.96							
	Total Rate per Unit =	4629.96							
	Second Floor								
	D	sqm							
	D1		2	1.20		2.100	5.04		58337.50
			4	0.90		2.100	7.56	4629.96	
	Basic Rate =	4287.00					12.60		
	Area Weightage @8% =	342.96							
	Total Rate per Unit =	4629.96							
	Head room								
	D	sqm							
			1	1.20		2.100	2.52		11667.50
							2.52	4629.96	
	Basic Rate =	4287.00							
	Area Weightage @8% =	342.96							
	Total Rate per Unit =	4629.96							
44	Providing and fixing 65mm X 125mm GRP Door frame fabricated using E-Glass Chopped Strand Mat (CSM) U.V - sablized Isopathlic Gelcoat and Isopthalic resin. The thickness of the GRP Skin shall not be less than 2.0mm. The door frame consists of four segments, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement on 6 locations for Providing and fixing 65mm X 125mm GRP Door frame fabricated using E-Glass Chopped Strand Mat (CSM) U.V - sablized Isopathlic Gelcoat and Isopthalic resin. The thickness of the GRP Skin shall not be less than 2.0mm. The door frame consists of four segments. which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement on 6 locations for high screw holding capacity for fixing metalling hold fast and shall be consolidated by filling with medium density foam/plaster of paris with fibre reinforcement. Six numbers of 260mmX25mmX5mm size S shaped M.S. flat hold fast shall be provided with the frame.(P.60 I No.9.96)								
	Ground Floor	M					39.90		
	D2		7	5.70			39.90	594.00	23700.60
	Basic Rate =	550.00							
	Area Weightage @8% =	44.00							
	Total Rate per Unit =	594.00							
	First Floor	M					34.20		
	D2		6	5.70			34.20	594.00	20314.80
	Basic Rate =	550.00							
	Area Weightage @8% =	44.00							
	Total Rate per Unit =	594.00							

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Second Floor	M							
	D2		7	5.70			39.90	594.00	23700.60
							39.90		
	Basic Rate =	550.00							
	Area Weightage @8% =	44.00							
	Total Rate per Unit =	594.00							
45	Providing and fixing factory made single leaft rigid GRP Sandwich composite door shutter of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopathic Gelcoat and on layer of 45 gsm E-class Chopped strand Mat (CSM), impregnated with orthopthalic polyster resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20Kg/m3 shall be used as core mterial. Wooden reinforcements made of seasoned Salwood block of cross section not less than 28mmX32mm and also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles etc shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforcement and the skins.The material and process for manufacturing the door shutters shall confirm to RV/TIFAC composites Design Centre standards and specifications and the door shutters tested in confirmation to IS 4020-1994. (P.59 I No.9.93) The finish of shutter will be plain colour White/Ivory/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot.								
	Ground Floor	sqm							
	D2		7	0.75		2.100	14.70	3240.00	47628.00
							14.70		
	Basic Rate =	3000.00							
	Area Weightage @8% =	240.00							
	Total Rate per Unit =	3240.00							
	First Floor	sqm							
	D2		6	0.75		2.100	12.60	3244.32	40878.43
							12.60		
	Basic Rate =	3000.00							
	Lift charges=	4.00							
	Area Weightage @8% =	240.32							
	Total Rate per Unit =	3244.32							
	Second Floor	sqm							
	D2		7	0.75		2.100	14.70	3248.64	47755.01
							14.70		
	Basic Rate =	3000.00							
	Lift charges=	8.00							
	Area Weightage @8% =	240.64							
	Total Rate per Unit =	3248.64							
46	KSRB 7-1.Providing & fiixing in position collapsable steel shutters with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5 cms openings at 10 cms C to C applying a priming coat of red lead paint. Cost of materials, labour, HOM of machinary complete as per specifications (p.no.33/ I. no.7.1)								
	Ground Floor	sqm							
	ED		1	3.50		2.100	2.10		
							2.10	5626.80	11816.28
	Basic Rate =	5210.00							
	Area Weightage @8% =	416.80							
	Total Rate per Unit =	5626.80							

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
47	Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps with hand rail, 50mm dia 16 guage hollow pipe welded to verticle hollow 50mm dia pipe of 16 guage, stainless steel verticle pipe spaced at 1.20m regular intervals and 5 Nos of 5mm dia stainless steel hollow horizontal pipe are welded to verticle 50mm dia hollow pipe . The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour HOM of machineries and electrical charges etc., complete as per specification.(P.43 I No.7.38)								
	Ground Floor								
	STAIRECASE	sqm							
			2	9.07		1.20	21.77		141550.34
							21.77	6502.68	
	Basic Rate =	6021.00							
	Area Weightage @8% =	481.68							
	Total Rate per Unit =	6502.68							
	First Floor								
	STAIRECASE	Sqm							
			2	9.07		1.20	21.77		141691.39
							21.77	6509.16	
	Basic Rate =	6021.00							
	Lift charges=	6.00							
	Area Weightage @8% =	482.16							
	Total Rate per Unit =	6509.16							
	Second Floor								
	STAIRECASE	sqm							
			2	9.07		1.20	21.77		141832.45
							21.77	6515.64	
	Basic Rate =	6021.00							
	Lift charges=	12.00							
	Area Weightage @8% =	482.64							
	Total Rate per Unit =	6515.64							
48	Providing and fixing **Vitrified glazed tiles** of approved make,quality and colour of size **600X600x 10 mm thick** fixed on bed of 12mm thk CM for flooring skirting and jointed with neat cement slurry mixed with pigment to match shade of tiles incldng providing spacers at required interval and removing stains including cost of material,labour,curing Complete as per specification. (P.35 I No.14.45)								
	Ground Floor	SQM							
	Therapy		1	5.00	4.40		22.00		
	Consultation		1	2.74	4.40		12.06		
	Therapy		1	5.00	4.40		22.00		
	Consultation		1	2.74	4.40		12.06		
	Waiting		1	2.40	4.60		11.04		
	Entrance Loby		1	15.85	3.50		55.48		
	Reception		1	2.50	1.50		3.75		
	Store and medicine		1	3.30	3.46		11.42		
	Skirting								
	Therapy		2	5.00		0.10	1.00		
			2	4.40		0.10	0.88		
	Consultation		2	2.74		0.10	0.55		
			2	4.40		0.10	0.88		
	Therapy		2	5.00		0.10	1.00		
			2	4.40		0.10	0.88		
	Consultation		2	2.74		0.10	0.55		
			2	4.40		0.10	0.88		
	Waiting		2	2.40		0.10	0.48		
			2	4.60		0.10	0.92		
	Entrance Loby		2	15.85		0.10	3.17		
			2	3.50		0.10	0.70		
	Store and medicine		2.00	2.50		0.10	0.50		

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Store and medicine		2	1.30		0.10	0.30		
			2.00	3.30		0.10	0.66		172693.09
			2	3.46		0.10	0.69	1054.08	
							163.83		
	Basic Rate =	976.00							
	Area Weightage @8% =	78.08							
	Total Rate per Unit =	1054.08							
	First Floor	M							
	Special ward		3	5.00	4.40		66.00		
	Lab		1	3.70	4.40		16.28		
	Nursing Unit		1	3.30	4.40		14.52		
	RMO		1	3.34	4.40		14.70		
	Lobby		1	3.30	4.60		15.18		
	Store		1	3.30	4.40		14.52		
	Skirting								
	Special ward		2	5.00		0.10	1.00		
			2	4.40		0.10	0.88		
	Lab		2	3.70		0.10	0.74		
			2	4.40		0.10	0.88		
	Nursing Unit		2	3.30		0.10	0.66		
			2	4.40		0.10	0.88		
	RMO		2	3.34		0.10	0.67		
			2	4.40		0.10	0.88		
	Lobby		2	3.30		0.10	0.66		
			2	4.60		0.10	0.92		
	Store		2	3.30		0.10	0.66		
			2	4.40			0.88		
							150.90	1056.24	159390.84
	Basic Rate =	976.00							
	Lift charges =	2.00							
	Area Weightage @8% =	78.24							
	Total Rate per Unit =	1056.24							
	Second Floor	M							
	General ward		1	7.80	4.40		34.32		
	General ward		1	6.54	4.40		28.78		
	Special ward -1		1	3.74	4.40		16.46		
	Special ward -2		1	3.30	4.40		14.52		
	Special ward -3		1	3.34	4.60		15.36		
	Canteen		1	3.30	4.40		14.52		
	Skirting								
	General ward		2	7.80		0.10	1.56		
			2	4.40		0.10	0.88		
	General ward		2	6.54		0.10	1.31		
			2	4.40		0.10	0.88		
	Special ward -1		2	3.74		0.10	0.75		
			2	4.40		0.10	0.88		
	Special ward -2		2	3.30		0.10	0.66		
			2	4.40		0.10	0.88		
	Special ward -3		2	3.34		0.10	0.67		
			2	4.60		0.10	0.92		
							133.34	1058.40	141127.06
	Basic Rate =	976.00							

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Lift charges=		4.00						
	Area Weightage @8% =		78.40						
	Total Rate per Unit =		1058.40						
49	Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete (P.36 I No.14.36)								
	Ground Floor	SQM					15.00		
	Toilet Block		4	2.50	1.50		7.50		
			4	1.25	1.50				
	Skirting						2.00		
	Toilet Block		8	2.50		0.10	1.20		
			8	1.50		0.10	1.00		
	Skirting		8	1.25		0.10	1.20		36459.72
			8	1.50		0.10	27.90	1306.80	
	Basic Rate =		1210.00						
	Lift charges=		0.00						
	Area Weightage @8% =		96.80						
	Total Rate per Unit =		1306.80						
	First Floor	SQM					10.35		
	Toilet Block		3	2.30	1.50		8.10		
			3	1.80	1.50				
	Skirting						1.38		
	Toilet Block		6	2.30		0.10	0.90		
			6	1.50		0.10	1.08		
	Skirting		6	1.80		0.10	0.90		
			6	1.50		0.10	22.71	1212.00	27524.52
	Basic Rate =		1210.00						
	Lift charges=		2.00						
	Area Weightage @8% =		96.96						
	Total Rate per Unit =		1212.00						
	Second Floor	SQM					13.80		
	Toilet Block		4	2.30	1.50		8.10		
			3	1.80	1.50				
	Skirting						1.84		
	Toilet Block		8	2.30		0.10	1.20		
			8	1.50		0.10	1.08		
	Skirting		6	1.80		0.10	0.90		
			6	1.50		0.10	26.92	1311.12	35295.35
	Basic Rate =		1210.00						
	Lift charges=		4.00						
	Area Weightage @8% =		97.12						
	Total Rate per Unit =		1311.12						
50	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specifications. (P.112 I No.14.62)								
	Entrance area	SQM							
			1	4.00	7.50		30.00		
							30.00	1330.56	39916.80

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Basic Rate =	1232.00							
	Area Weightage @8% =	98.56							
	Total Rate per Unit =	1330.56							
51	Providing and laying flooring using prepolished, gang saw/water cut 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications. **(P.109 I No.14.47.1)**								
	Stairecase								
	GF	SQM							
			21.00	1.20	0.15		3.78		
			21.00	1.20	0.30		7.56		
			2.00	1.20	2.14		5.14		48737.99
							16.48	2958.12	
	Basic Rate =	2739.00							
	Area Weightage @8% =	219.12							
	Total Rate per Unit =	2958.12							
	FF								
			21.00	1.20	0.15		3.78		
			21.00	1.20	0.30		7.56		
			2.00	1.20	2.14		5.14		48773.57
							16.48	2960.28	
	Basic Rate =	2739.00							
	Lift charges=	2.00							
	Area Weightage @8% =	219.28							
	Total Rate per Unit =	2960.28							
	SF								
			21.00	1.20	0.15		3.78		
			21.00	1.20	0.30		7.56		
			2.00	1.20	2.14		5.14		48809.16
							16.48	2962.44	
	Basic Rate =	2739.00							
	Lift charges=	4.00							
	Area Weightage @8% =	219.44							
	Total Rate per Unit =	2962.44							
52	Providing and filling in foundation / below flooring with granite / trap broken metal 100mm and down size with approved quality sand including hand packing, ramming, watering, including the cost of all materials and labour with all lead and lift complete **(P.6 I No.2.15)**								
	PLINTH AREA	SQM	1	21	15.00	0.10	31.50		82634.58
							31.50	2623.32	
	Basic Rate =	2429.00							
	Area Weightage @8% =	194.32							
	Total Rate per Unit =	2623.32							
53	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter and scoured with wire brushes, fine steel wool, sand papers including cost of all materials , labour, complete as per specifications. **(P.121 I No.15.73)** Providing and applying enamel metal paint in two coats (Excluding priming coat) over new steel or other metal surface including preparing the surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter including cost of all materials , labour, complete as per specifications. **(P.121 I No.15.74)**								
	Quantity Same As M.S. Grills Item	SQM					45.36		
	Quantity Same As M.S. Rolling Shutter Item						2.10		
							47.46	102.60	4869.40
	Basic Rate =	95.00							

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @8% =		7.60						
54	Total Rate per Unit =		102.60						
	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 pg no-126 1-19.60)								
		Cum	1	27	15.00	0.400	162.00		56862.00
							162.00	351.00	
	Basic Rate =	325.00							
	Area Weightage @8% =	26.00							
55	Total Rate per Unit =	351.00							
	KSRB: 8.6: Providing and fixing on wall surface 2.5kg/sq.cm H.D.P.E rain down water pipes of approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wallplugs, screws, including cost of all materials, labour, curing, complete as per specifications . (P-36, I-8.16)								
		Rmt	9	9			81.00		31930.20
							81.00	394.20	
	Basic Rate =	365.00							
	Area Weightage @8% =	29.20							
56	Total Rate per Unit =	394.20							
	KSRB 7.14 : Providing, fabricating, assembling and fixing in position aluminium partitions using sections in combination of plain, single grove and double grove as per requirements for the frames of overall size 101.6mm x 44.45mm, 3.18mm.thick having section weight, plain sections 2.40kg/m single grove section 2.41kg/m, and double grove section 2.683 kg/m and bottom bottom member 114.3 mm x 44.45 mm 3.18 mm thick and 2.6 46 kg/m: aluminium louvres of size 77.6mmx27.6mm 1.7mm. thick section weight 0.483kg/m: bottom portions provided with 12mm. thick pre laminated sheet both side of approved colour lamination exterior grade: aluminium sections of mat finish or glossy finish using section, spacing of vertical member shall not exceed 0.6 m. c to c: sections are cut to the required lengths, joints mitered an corners grinded subdividing frames tennoned and riveted to the frames, the assembled frame should be stiffened with corner angles stripped and fixed with screws, rawl plugs and teak wood gutties to R.C.C.columns or masonry on sides, R.C.C. lintels or beams at top and floor at bottom, including cutting chistling and making good with cement mortar to match the surface, providing and fixing bottom panel filled with the materials to a height of 0.9m. from floor level; and 5.5mm. thick plain glass for middle portion viz., 0.9m. to 2.13 m. and top panel with lower sections, the glass and panels fitted with glazing clips of 19mmx17.3mm. with thickness of 0.9mm. weight 0.124kg/m; aluminium sections pre-treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherence of mortars or any other sticky materials; vertical members embedded in the flooring by making suitable size holes and fixing with cement mortar, with necessary opening for fixing of doors of standard size (excluding cost of door opening) All the frame should be throughly cleaned free from rust, scale or dirt including cost of materials, fixtures, laour and HOM complete as per specifications.using aluminium section anodized to 12 - 15 microns. (Page No 36-Item No :7.14)								
For Partition wall	SQM	1	5		2.00	10.00		
						10.00	5112.72	51127.20
Basic Rate =	4734.00							
Area Weightage @8% =	378.72							
Total Rate per Unit =	5112.72							

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S.N	Description of work	Unit	No.	L	B	D	Qty	Rate	Amount
67	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 gauge M.S. hollow pipe frame work here to ornamental shape as shown in the drawing and 35mm x 6mm and 08 x 16mm square rods for vertical alternately spaced at 90mm c/c in two halves and 40mm x 40mm x 6mm flat for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (Shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification. (P. No. 63 / I. No. 7.37)								
	Gate								4918.76
		Sqm.	2	3.60	2.10		15.12	3253.98	
	Basic Rate =	3013.00							
	Rate Weightage @8% =	240.98							
	Total Rate per Unit =	3253.98							
								SUB TOTAL	13473753.13
								WATER SUPPLY & SANITATION & ELECTRIFICATION	3,736,143.76
								SUB TOTAL	16,199,898.89
								THIRD PARTY, PMC CHARGES 1%	200,000.00
								DPR 1%	200,000.00
								TENDER PREMIUM 5%	1,000,000.00
								GST 12%	2,400,000.00
								SUB TOTAL	19,999,898.89
								Miscellaneous	101.11
								GRAND TOTAL	20,000,000.00

Certificate:-

1. The estimate is prepared as per site condition
2. The Estimate is prepared based on P&D SR 2018-19
3. This Estimate Work Spot Comes Under BBMP Limits

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

6/12/19

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Name of the work :- Construction of Health Building at B Sector in Ward No.04 in Yelahanka Satellite Town Sub Division

WATER SUPPLY & SANITATION & ELECTRIFICATION

Sl No.	Description	No's	L in Mtrs	B in Mtrs	D/H in Mtrs	Qty	Rate/Unit	Amount
1	Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P.brass pillar taps with C.I./ M.S brackets, 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labhour complete as per specifications. (P.No.82,I.No.12.23)							
		1	19				19.00	82223.64
	Basic Rate: 4007.00					Total	19.00	4327.56
	A W @ 8%: 320.56							Nos
	Total: 4327.56							
2	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.No.79, I.No.12.5)							
		1	19				19.00	101697.12
	Basic Rate: 4956.00					Total	19.00	5352.48
	A W @ 8%: 396.48							Nos
	Total: 5352.48							
3	Providing and fixing white vitreous china clay, flat back, lipped front urinal basin 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I/M.S brackets, standard flush pipe and C.P.brass spreaders with brass unions and G.I.clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labhour complete. (P.No.80, I.No.12.7)							
		1	30				30.00	99532.80
	Basic Rate: 3072.00					Total	30.00	3317.76
	A W @ 8%: 245.76							Each
	Total: 3317.76							
4	Providing and fixing 453x357mm rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labhour complete as per specifications. (P.No.82,I.No.12.41)							
		1	19				19.00	23310.72
	Basic Rate: 1136.00					Total	19.00	1226.88
	A W @ 8%: 90.88							Nos
	Total: 1226.88							
5	Providing and fixing C.P. brass towel rail 600mm length, 20mm dia with C.P.brackets, fixed to wooden cleats with C.P.brass screws including cost of materials,labhour complete as per specifications. (P.No.83,I.No.12.46).							
		1	19	1.00			19.00	13830.48
	Basic Rate: 674.00					Total	19.00	727.92
	A W @ 8%: 53.92							m
	Total: 727.92							
6	Providing and fixing to wall, ceiling and floor high density polyethlene pipes 6.00 kgf/sq.cm working pressure 90mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, celling and floor, including cost of all materials, labhour charges, HOM of equipments and testing complete as per specifications. (P.No.94,I.No.13.73.4)							
		1	1	350.00			350.00	188244.00
	Basic Rate: 498.00					Total	350.00	537.84
	A W @ 8%: 39.84							m
	Total: 537.84							
7	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) 20mm pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, including fixing the pipe and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete(concealed work including cutting chases and good the walls etc,. (P.No.96,I.No.13.86.2)							
		1	1	450.00			450.00	114210.00
	Basic Rate: 235.00					Total	450.00	253.80
	A W @ 8%: 18.80							m
	Total: 253.80							
8	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) 25mm pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, including fixing the pipe and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete(concealed work including cutting chases and good the walls etc. . (P.No.96,I.No.13.86.3)							
		1	1	450.00			450.00	

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Sl No.	Description		No's		L in Mtrs	B in Mtrs	D/H in Mtrs	Qty	Rate/Unit	Amount
	Basic Rate:	293.00							316.44	142398.00
	A W @ 8%:	23.44					Total	450.00	m	
	Total:	316.44								
9	Providing and fixing in position brass stock cock of approved quality 20mm nominal bore including cost of all materials, labhour and HOM of equipements with all leads complete as per specifications. **(P.No.91, I.No.13.27).**									
			1	1	250			250.00	152.28	38070.00
	Basic Rate:	141.00					Total	250.00	m	
	A W @ 8%:	11.28								
	Total:	152.28								
10	Providing stoneware gully trap 15cms x 10cms of approved quality and make fixing in M15 and plastering with CM 1:3 wherever necessary.(Rate includes cost of all material, fixture and lead) **(P.No.88,I.No.12.112.2)**									
			1	19				19.00	302.40	5745.60
	Basic Rate:	280.00					Total	19.00	Nos	
	A W @ 8%:	22.40								
	Total:	302.40								
11	Providing and fixing 7.5cm to 15 cms dia NP grating 100 mm dia. **(P.No.88,I.No.12.111)**									
			1	19				19.00	162.00	3078.00
	Basic Rate:	150.00					Total	19.00	Nos	
	A W @ 8%:	12.00								
	Total:	162.00								
12	Providing and fixing of (Monoblock type-MB series three phase motor.1HP/0.75KW(P.No.XXXXV. Sl.No.1)									
			1	1				1.00	9000.00	9000.00
							Total	1.00	Each	
13	Constructing brick masonry inspection chamber 455x610mm and 450mm depth. (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5. C.I.cover with frame(light duty) 600x600mm inner dimensions, total weight cover with frame to be not less than 38kg(weight of cover with frame 15kg) R.C.C. top slab with cement 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat on walls and bed concrete complete as per standard including cost of materials, labhour charges, curing complete as per specifications. **(P.No.73,I.No.11.50)**									
			1	6				6.00	7629.12	45774.72
	Basic Rate:	7064.00					Total	6.00	Each	
	A W @ 8%:	565.12								
	Total:	7629.12								
14	Providing and fixing CUBICLE WORKSTATIONS consisting of wings made out of 75 mm thick MS CRCA powder coated,tile based system for main and return spine, Top tile finish 8 mm thick MDF covered with Fabric of approved colour and one writing board (600 mm W) and one soft board (600 mm W) per workstation. Bottom tile finish 9 mm thick Laminate tile of approved colour. Raceway- one middle raceway (600mm W) below table top per workstation and continous raceway at the skirting level. Wire manager - ABS plastic grommet one number per table.Table top - 25 mm thick PLPB with straight table top End Table 25 mm thick PLPB with straightedge bound Hardware-MS powder coated corner bkt, cantilever bkt, separator hook on bkt, L bkt and Table joint plate., as per specifications, drawings and as directed by Engineer in charge. **X TYPE 4 wings.** 3 A) Size : 1500 mmW x 1200mm D x 1200 mm ht. **(PWD SR 2018-19, P-329, I-39.16.1)**									
			1					1	54000.00	54,000
	Basic Rate:	50000						Nos		
	A W @ 8%:	4000								
	Total:	54000								

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Sl No.	Description	No's	L in Mtrs	B in Mtrs	D/H in Mtrs	Qty	Rate/Unit	Amount
15	**FREE STANDING TABLE FOR CABIN - WITHOUT FRAMES** Providing and fixing Free Standing Table for Cabin- without frames consisting of 25 mm thick PLPB table top, 25 mm thick PLPB with edge bomded End table, 18 mm thick PLPB with edge bonded Modesty, Wire manager -ABS plastic grommet one number per table Hardware-Minifix assembly and screw leg., as per specifications, drawings and as directed by Engineer in charge. Main Table : 1500 mmW x 750mm D x 750 mm ht (Edgebinding table top) Side Table : 900 mm W x 450mm D X 750 mm ht. **(PWD -SR 2018-19, P-329, I-39.17.1)**							12,917
	Basic Rate:	11960				1		12916.80
	A W @ 8%:	956.8						Nos
	Total:	12916.8						
16	**CONCEALED CONDUIT SYSTEM:** Supplying ..... mm dia 2mm 2.5mm thick heavy gauge PVC Conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18 SWG GI fish wire wherever necessary. **(PWD-ele-SR, 2019-20, P-2, Slno-1.2)**							
	a) 19/20mm dia 2mm thick				300.00		40.00	12,000.00
							mtr	
	b) 25mm dia 2mm thick				450.00		53.00	23,850.00
							mtr	
	c) 32mm dia 2mm thick				150.00		83.00	12,450.00
							mtr	
	d) 40mm dia 2mm thick				100.00		95.00	9,500.00
							mtr	
17	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved makes etc., **(PWD-ele-SR, 2019-20, P-2, Slno-1.4)**							
	75x75x65mm				75		87.00	6,525.00
							Each	
	135x75x65mm				45		95.00	4,275.00
							Each	
18	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete. **(PWD-ele-SR, 2019-20, P-3, Slno-1.6)**							
	a) 12"x12"x3" (300x300x76mm)				50		102.00	5,100.00
							Each	
	b) 12"x9"x3" (300x228x76mm)				50		86.00	4,300.00
							Each	
	c) 4"x4"x3" (101x101x76mm)				50		60.00	3,000.00
							Each	
	1 to 2 way				35		33.00	1,155.00
							Each	
	3 to 4 way				25		40.00	1,000.00
							Each	
19	Supplying and fixing PVC/metal conduit Deep junction box **(PWD-ele-SR, 2019-20, P-2, Slno-1.5)**							
	19/20mm deep junction box				50		43.00	2,150.00
							Each	
	25mm deep junction box				25		47.00	1,175.00
							Each	
	32mm deep junction box				25		60.00	1,500.00
							Each	
20	Extra for groove cutting in brick wall /CC floor' to the suitable depth for con cealing of conduit/GI pipe and plastering,finishing upto wall surface complete **(PWD-Ele-SR, 2019-20, P-3, Slno-1.7)**							
	upto 50mm conduit in brick wall				40		21.00	840.00
							Mtr	
21	Suplplying and fixing "S" Hook made out of 14mm dia M.S. rod **(PWD-Ele-SR, 2019-20, P-3, Slno-1.10)**							
					25		34.00	850.00
							No	
22	Suplplying and fixing Metal fan box with round hook. **(PWD-Ele-SR, 2019-20, P-3, Slno-1.12)**							
					25		85.00	2,125.00
							No	

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Sl No.	Description	No's	L In Mtrs	B In Mtrs	D/H In Mtrs	Qty	Rate/Unit	Amount
23	**Point wiring using copper wire with switch:** Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.55qmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. **(PWD-Ele-SR, 2019-20, P-5, Slno-2.1)**							
	a) Short point upto 3Mtrs from tapping point to out let via switch				20		200.00 each	4,000.00
	b) Medium point above 3Mtrs upto 6Mtr from Tapping point to out let via switch				20		275.00 each	5,500.00
24	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring. I Group A **(PWD-Ele-SR, 2019-20, P-5, Slno-2.3)**							7,000.00
	a) 1 sqmm				500		14.00 mtr	38,400.00
	b) 2.5 Sqmm				1200		32.00 mtr	9,000.00
	c) 4.0 sqmm				200		45.00 mtr	17,500.00
	d) 6.0 sqmm				250		70.00 mtr	
25	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. **(PWD-ele-SR. 2019-20, P-9, Slno-3.5)**							5,500.00
	3.6.1) 1 to 3 module				50		110.00 each	6,250.00
	3.6.2) 4 module				50		125.00 each	8,750.00
	3.6.3) 6 module				50		175.00 each	
26	Supply box type suitable for 28W T5 single / twin lamp & suspension mounted luminaire and optical reflector. Prewired with HF electronic ballast, push fit type lamp holders and main connectors. Channel cover shall be made of CRCA MS sheet and finishing is done with stone enameled white with end caps made of engineering plastic It No: 4.7.1 Page No 20							15,300.00
	a) Electronic Ballast suitable for T5 Lamp 1 x 24watts				30		510.00 each	
27	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required. **(PWD-ele-SR, 2019-20, P-27, Slno-5.17)**							3,615.00
	1) 50-63 Amps SP				5		723.00 each	4,545.00
	2) 6-32 Amps DP				5		909.00 each	
28	LED Drivers suitable for 5700K LED fitting Outdoor Fixtures 240W 5700K suitable for outdoor LED fitting							45,402.00
	outside				6		7567.00 each	
29	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc., and fixing on existing wooden or metal box using N.F.Screws. **(PWD-ele-SR, 2019-20, P-10, Slno-3.8)**							135.00
					500		0.27 Sqcm	
30	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles, Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system. **(PWD-Ele-SR, 2019-20, P-46, Slno-7.3.1)**							52,250.00
	a) 48" Sweep (1200mm) Regular model				25		2090.00 Each	
31	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 **(PWD-Ele-SR, 2019-20, P-10, Slno-3.6)**							13,050.00
	3.6.4) Stepped Fan Regulator				45		290.00 each	2,054.00
	3.6.12) TV/Telephone socket				26		79.00 each	5,850.00
	3.6.13) RJ45/I.O. outlet				30		195.00 each	

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Sl No.	Description	No's	L in Mtrs	B in Mtrs	D/H in Mtrs	Qty	Rate/Unit	Amount
32	Fixing a Ceiling/Wall mounting fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. **(PWD-Ele-SR, 2019-20, P-80, Slno-14.8)**							
							150.00	4,500.00
					30		each	
33	Supplying and fixing Moulded Cases Cicuit Breaker (MCCB) over the existing wood/panel/ board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947.(Icu = Ics) **(PWD-Ele-SR, 2019-20, P-26, Slno-5.14)**							
	5.14.1) 100Amps 25kA.						4530.00	18,120.00
					4		Each	
	5.14.5) 250Amps 35kA.						15350.00	61,400.00
					4		Each	
34	Supplying, fixing wiring earth electrode for gounding conduits, I.C.Cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc. is to be established through GI wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12 mm dia. **(PWD-Ele-SR, 2019-20, P-40, Slno-6.1)**							
					10		2999.70	29,997.00
							no	
35	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 **(PWD-Ele-SR, 2019-20, P-40, Slno-6.4)**							
	6.4.4) 4 core 16sqmm				75		150.00	11,250.00
							mts	
36	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct. **(PWD-Ele-SR, 2019-20, P-41, Slno-6.5)**							
	a) 6sqmm to 16 sqmm				75		11.88	891.00
							mts	
37	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB 1-2, P-7) **(PWD-Ele-SR, 2019-20, P-41, Slno-6.6)**							
	6.6.4) Asphalt cutting.				75		113.00	8,475.00
							mts	
38	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. **(PWD-Ele-SR, 2019-20, P-41, Slno-6.9)**							
	a) 40 mm				25		335.00	8,375.00
							mts	
39	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. **(PWD-Ele-SR, 2019-20, P-42, Slno-6.10)**							
	a) 16 Sqmm				1		270.00	270.00
							each	
40	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., complete. **(PWD-Ele-SR, 2019-20, P-25, Slno-5.7)**							
	a) 32 Amps				12		174.00	2,088.00
							each	
41	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer pain and finally finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete **(PWD-Ele-SR, 2019-20, P-30, Slno-5.42)**							
	a) 18 SWG				1200		0.30	360.00
							Sqcm	
42	Supplying and fixing regular MCB distribution boards on well /wood board /flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB`s single phase /3 phase /single for with powder coated painting etc., complete **(PWD-Ele-SR, 2019-20, P-28, Slno-5.18)**							
	I. Single Door b) 8 way SP&N				20		960.00	19,200.00
							each	
43	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete **(PWD-Ele-SR, 2019-20, P-46, Slno-7.2)**							
	12" Sweep (300mm)				4		2100.00	8,400.00
							Each	
44	Supplying and drawing UTP-CAT 6E LAN cable **(PWD-Ele-SR, 2019-20, P-54, Slno-9.1)**							

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Sl No.	Description	No's	L in Mtrs	B in Mtrs	D/H in Mtrs	Qty	Rate/Unit	Amount
45	Supplying and drawing PVC flexible one pair telephone unarmoured tinned copper cable (PWD-Ele-SR, 2019-20, P-54, Slno-9.2.2) 2 Pair				4		29.00 Mtr	116.00
46	Supplying and Fixing of switch mounting rack with power manager & Cable manager. (PWD-Ele-SR, 2019-20, P-54, Slno-9.4.6) 24U with 650mm depth				25		14.50 R.Mt	362.50
47	Supplying fixing of Network Switches (PWD-Ele-SR, 2019-20, P-54, Slno-9.9.3) 10 Port Gigabyte (manageable)				1		24000.00 Each	24,000.00
48	Supply, installation, testing and commissioning of compact ceiling speaker with Back can power handling up to 6 watt RMS/watt/100volt@ 1456 ohms single channel. Selectable taping 5" LF driver and tweeter (PWD-Ele-SR, 2014-15, P-100, Slno-15.5.1)	10			5		1450.00 No	18,000.00 7,250.00
49	Supplying, erection, testing and commissioning of 62.5kva/50kw Diesel Generating Set on existing CC platform Compising of diesel Engine Developing 50kw BHP @ 1500 RPM confirming to BS 5514. The engine should be turbocharged, Air/water cooled with 10% over load for 1hour in every 12 hours of operation coupled to suitable capacity alernator rated at 415V, 0.8 PF(lag) 50 Hz, 3 phase, 4 wire system, confirming to BS 5000/IS 4722. The alternator shall be of brushless type Screen protected, revolving field, Mounted on suitable Channel Iron Base Frame. Complete with suitable capacity Fuel Tank, required nos, of Batteries of 12/24V as per requirement. Acoustic enclosure as per CPCB Approved Norms. (PWD-Ele-SR, 2019-20, P-62, Slno-11.1.7)				1		514500.00 Set	514,500.00
50	Geophysical investigation of site for sinking borewell for supply drinking water to the habitation either through the hand pump M.W.S or P.W.S.S by vertical electrical sounding by adopting venner or schlumberger's method including reconnaissance survey of geological formation Geophysical investigation of existing ground water infecundity its quality, quantity & acceptability of the user indicating the location of site recommended depth of casting pipe required to seal the top in consolidated formation including an extra depth of 1.00 Mtr in consolidated formation of proper scatting of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation technical personal and labour etc..(PRE Circle SR 2010-11 P-37 and 38 I-9.4)	1			1.00		1938.46 No	1938.46
	Basic Rate: 1882 A W @ 8%: 56.46 Total: 1938.46				1.00			
51.a	Sinking borewell of 165mm dia clear using super fast hydraulic Rig of capacity 250 PSIG and above 900 CFM & above in all Strata including over burden upto 20 mtrs fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of Rig and Supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casin pipes, collars and cap, etc.,)(P.36 I No-9.1) PRED SR 2012-2013) 0.00 to 50.00 mtrs	1	50			50.00	315.18 Rmtr	15759
	Basic Rate: 306 A W @ 8%: 9.18 Total: 315.18							
51.b	50.00 to 100.00 mtrs	1	50			50.00	412.00 Rmtr	20600
	Basic Rate: 400 A W @ 8%: 12 Total: 412							
51.c	100.00 to 150.00 mtrs	1	50			50.00	458.35 Rmtr	22917.5
	Basic Rate: 445 A W @ 8%: 13.35 Total: 458.35							
51.d	150.00 to 200.00 mtrs	1	50			50.00	484.10 Rmtr	24205
	Basic Rate: 470 A W @ 8%: 14.1 Total: 484.1							
51.e	200.00 to 250.00 mtrs	1	50			50.00	560.32 Rmtr	28016
	Basic Rate: 544 A W @ 8%: 16.32 Total: 560.32							
51.f	250.00 to 300.00 mtrs	1	50			50.00	600.49	30024.5

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Sl No.	Description	No's	L in Mtrs	B in Mtrs	D/H in Mtrs	Qty	Rate/Unit	Amount
	Basic Rate: 583							
	A W @ 8%: 17.49							
	Total: 600.49						Rmtr	
51.8	300.00 to 350.00 mtrs							
	Basic Rate: 622	1 50						32033
	A W @ 8%: 18.66						640.66	
	Total: 640.66				50.00		Rmtr	
52	Supply of ISI mark 175 mm nominal bore plain end steel casing pipe grade of steel Fe 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments electric resistance welded steel tube material and conformming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen preocess in random length of 5.4 to 7 mts both ends threaded conforming to IS 4270-2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be ISI marking weighing 25.10 kg/m (Inclusive of all taxes and duties). Prices include collar-medium duty (Material component P No-II/84)							
		1 30.00			30.00		1325.00	39750.00
					30.00		m	
53	Supplying of 175 mm MS cap(Mat-P-NoII/85)							
		1 1.00			1.00		100.00	100.00
					1.00		each	
54	Supplying of 175 mm MS collars (Mat-P-NoII/86)							
		1 3.00			3.00		150.00	450.00
							each	
55	Providing and fixing PVC pipe 250 mm dia 6 kg/sqm BW/SSB 2008-2009 (P-45 1-11)							
		1 6.00			6.00		967.00	5802.00
							rmtr	
56	Supplying and delivery at site brand new submersible pump set suitable for 150mm dia borewell of 150 mm dia and having declared duty conditions as detailed below and satisfying performance characteristic for pump and motor as declared by BIS the pump should confirm to IS 8034-1976 (with all its latest amendments) and should bear the ISI certification mark IS 8034-1976. The pumpset should consist bronze impellers disscahrge 7500 lph head 102.88 mtrs 10.00 HP 20 stage (Copy enclosed)							
		1			1.00		35000.00	35000.00
							Set	
57	Submersible cable: supply and delivery of brand new best make PVC insulated cable of flat 3 core (Shaethed) of nominal cross sectional area to IS 694-1977 with latest amendments and ISI mark 1x3x4.00n(Copy enclosed)							
		1 150.00			150.00		145.00	21750.00
							mtr	
58	Supply and delivery of brand new best make gate Valve 50 mm dia size as per IS 778-1987 (P-V-sl 134)							
		1			1.00		1200.00	1200.00
							Each	
59	Supply and delivery of brand new best make Non return Valve 50 mm dia size as per IS 10805-1986 with latest amenments (P-99 I 13.55)							
		1			1.00		1135.08	1135.08
							Each	
60	Supplying and fixing galvanized steel tube 32 mm GI Pipe (Copy enclosed)							
		1 280.00			280.00		296.40	82992.00
							mtr	
61	Meter and panel board : Supply and delivery of meter and panel boarc unit one number of MS box of size 300 x 120 mm size fabricated out of 2 mm thick sheet metal with sealable door arrangement for mounting the CTS (If any) cutouts 3 phase dia 4 wire energy meter and cable box complete A tranperent glass piece should be provided where the energy meter reading could be read b. panel board to operate on 50c /400/400 v (Copy enclosed)							
		1			1.00		6630.00	6630.00
							Each	
62	Earthing: supplying and fixing and wiring earth electrode for grounding circuits IC cut outs and other equipment on the meter board in the pit the pits should be filled in with a equal proportion of salt and charcoal 150 mm around the pipe to complete depth the connection from the GI wire of size as per the clause 1. 3.3 of IS 732 using 12 mm bolts nuts washers and check nuts complete (copy enclosed)							
		1			1.00		1500.00	1500.00
							Each	
63	Supplying and fixing of MCB on the existing MCB distribution board using necessary materials and wiring complete as required 32 amps (copy enclosed)							
		1			1.00		540.00	540.00
							Each	

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Sl No.	Description	No's	L in Mtrs	B in Mtrs	D/H in Mtrs	Qty	Rate/Unit	Amount
64	Commissioning of work of pumpset including aligning and balancing with all necessary erection of material and labour including supply and errection of two pair of supporting clamps one borewell cap cable clips and water tight gland cable protectors bolts and nuts valves ans gauges etc., all job including fixing sluice valve non return valve etc., and connecting delivery side of pumpset to rising main.complete (Copy enclosed)							
		1			1.00		1710.00	1710.00
							Each	
65	Erection of panel board and meter board (Copy enclosed)							
		1			1.00		425.00	425.00
							Each	
66	Brass stop cock (15 mm dia) n(P-96/1-13.26 pwd)							
		1			1.00		131.84	131.84
							Each	
67	Supplying and fixing MCB on existing MCB distyribution board using necessary fixing materials and wiring complete as required 321 amps (BWSSB Sr 2008-2009 P-350 I-13a)							
		1			1.00		540.00	540.00
							Nos	
68	Supplying and fixing polished wood board made of not less than 15 mm thick on both sides with made out side more than 2 piece and fixing the same to the mwall musing tapered inverted wooden plugs screws etc 500 x500x 65 mm (BWSSB Sr 2008-2009 P-346 I-2f)							
		1			1.00		275.00	275.00
							Nos	
69	Supplying and fixing and wiring pilot lamps on existing board using 3 nos flush switches surface mounted in a ang box or flush mounted in 4 mm thick plastic sheet 3 nos of amps bakelite fuses and necessary wires (Copy enclosed)							
		1			1.00		137.00	137.00
							Nos	
70	Supplying, fixing, wiring, earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5m long buried in a pit. The pit should be filled with equal propotion of solt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduct etc., is to be establisehed through GI wire of size as per ISI specification 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 through holes of 122 mm dia(BWSSB 08-09 P-377, I-7)							
		1			1.00		1500.00	1500.00
							Nos	
71	Design, supplying, erecting testing and commissioning of - passenger/ Bed-cum-passenger hospital lift with speed of 1mtr per second, variable voltage variable frequency drive, with or without machine room for the available well size, operating at 415 V 3 phase 50 cycles AC supply, powder coated / Stainless Steel car entrance doors enclosures with suitable colour vinyl flooring, LED car illumination, emergency light, intercom and fan as desired by the user, central opening / side opening door with or without attendant operation, 7 segment display buttons, call register indicator, fireman drive, SS handrails inside car, full length infrared curtain in car door, automatic rescue device with batteries, voice announcing in regional / international languages, Braille buttons with one year warranty and maintenance with necessary scaffolding and minor civil works like fixing of guide rail, counter weight etc. With Machine Room-PC Finish: **(PWD-Ele-SR, 2019-20, P-89, Slno-16.2.4)**							
		1			1.00		1309600.00	1309600.00
							Nos	
72	Solar tank 200 ltr (Markert Rate)							
					Per Ltr	200.00	160.00	32000.00
							Ltr	
							Total Amount Rs:	3,726,143.76

Certificate:-

1. The estimate is prepared as per site condition
2. The Estimate is prepared based on PWD SR 2018-19
3. This Estimate Work Spot Comes Under BBMP Limits

Assistant Engineer
BBMP

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

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